

GRAIN TRANSPORTATION REPORT

Transportation & Marketing, Agricultural Marketing Service United States Department of Agriculture

JANUARY 7, 2003

TM GRAIN TRANSPORT COST INDICATORS	<u>Truck</u>	<u>Rail</u>	<u>Barge</u>	<u>Ocean</u>		
				<u>Gulf</u>	<u>PNW</u>	
Indicator Value* for 01/07	101	106	89	115	139	
Compared to Last Week	up	down ^u	ınchanged	up	up	

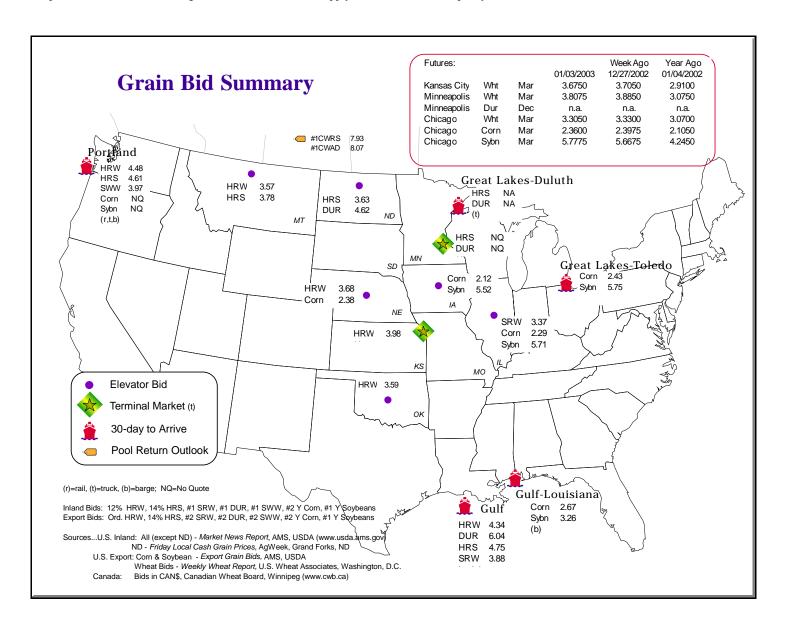
* Indicator: Base Year 2000=100; Cost Data, Weekly Updates include Truck=Diesel, Rail=Nearby Secondary Rail Market; Barge=Spot Illinois River Basis; Ocean Vessel, based on Routes to Japan

Jan. 12-16, '03	Transportation Research Board (TRB) 82 nd Annual Meeting	Washington, DC	202-334-2934 (ph) 202-334-2003 (fax) www.trb-agtrans.org/events.htm
Jan. 19-22	American Farm Bureau Federation (AFBF) 84 th Annual Meeting and Convention	Tampa Bay, FL	847-685-8600 (ph) 202-484-3600 (ph) www.fb.org
Jan. 26-31	Wheat Industry Conference	Albuquerque, NM	202-547-7800 (ph) wheatworld@wheatworld.org
Feb. 5-7	National Grain Trade Council (NGTC) Transportation, Elevator & Grain Merchants (TEGMA) 2003 Annual Meeting	Marco Island, FL	Tyson Redpath 202-842-0400 Ext. 101(ph) 202-789-7223 (fax) tredpath@ngtc.org
Feb. 9-12	U.S. Grains Council Annual Meeting	Guadalajara, MX	202-789-0789 (ph) grains@grains.org
Feb. 11-13	World Ag Expo	Tulare, CA	614-292-4278 (ph)
Feb. 16-18	Annual Sorghum Industry Conference and 23 rd Biennial Research & Utilization Conf.	Albuquerque, NM	806-749-3478 (ph) conference@sorghumgrowers.com
Feb. 20-21	USDA79 th Annual Agricultural Outlook Forum	Arlington, VA	202-314-3451 (ph) agforum@oce.usda.gov
Feb. 27-Mar. 1	Commodity Classic Trade Show	Charlotte, NC	Beth Musgrove 314-275-9915 (ph) musgrove@ncga.com
Mar. 10-12	American Farmland Trust National Conf.	Pacific Grove, CA	Doris Mittasch 413-589-9330 (ph) dmittasch@farmland.org
Mar. 25-28	National Grain and Feed Association (NGFA) 107 th Annual Convention	Tucson, AZ	202-289-0873 (ph) 202-289-5388 (fax) ngfa@ngfa.org
May 4-6	North American Rail Shippers Assoc. Annual Meeting	Washington, DC	202-639-2100 (ph)
May 5-7	American Feed Association Expo 2003	Minneapolis, MN	703-524-0810 (ph) afia@afia.org

The Grain Transportation Report is a weekly news source for grain logistics. Detailed data and trend information on five major modes: barge, truck, rail, container, and vessel, provide timely insight into grain transport. The report is offered to policymakers and industry as a tool in day-to-day decision making and longer-term strategic planning for an effective and efficient U.S. grain logistics system.

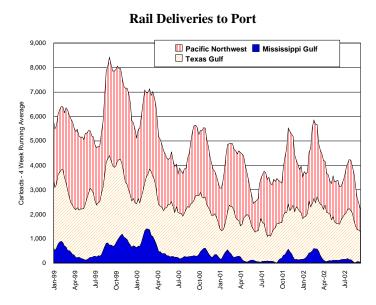
Market Update: U.S. Origins to Export Position Price Spreads Per Bushel						
Commodity	OriginDestination	This week	Last week			
Corn	IL Gulf	-0.38	-0.42			
Corn	NE Gulf	-0.29	-0.35			
Soybean	IA Gulf	-2.26	-0.71			
HRW	KS Gulf	-0.36	-0.41			
HRS	ND Portland	-0.98	-1.12			

The **Grain Bid Summary** illustrates the market relationships for corn, soybeans, and five varieties of wheat among selected origins and destinations. Positive and negative adjustments in the differential between terminal and futures markets, and the relationship to inland market points, are indicators of changes in fundamental market supply and demand. The map may be used to monitor market and time differentials.

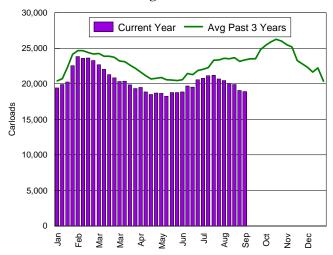


RAIL TRANSPORTATION

Carloads					
	Mississippi	Texas		Atlantic &	
	Gulf*	Gulf	Northwest	East Gulf	Total
Week Ending:					
12/18/02	331	948	2,406	629	4,314
12/25/02	188	985	2,025	635	3,833
YTD 2002	11,112	83,584	111,719	21,406	227,821
YTD 2001	10,022	81,804	111,376	26,604	229,806
% YTD 2001	111%	102%	100%	80%	99%
Total 2001	10,022	81,804	111,376	26,604	229,806
Total 2000	25,767	104,473	128,414	14,816	273,470



Grain Car Loadings for Class I Railroads



Railroads originate approximately 40% of U.S. grain shipments. Trends in these loadings are indicative of market conditions and expectations.

Class I Rail Carrier Grain Car Bulletin

Grain Carloads Originated and Grain Service Index

	E	ast		West			Car	nada
	CSXT	NS	BNSF	KCS	UP	U.S. Total	CN	CP
12/28/02	1,947	2,194	5,871	386	5,325	15,723	1,883	1,320
This Week Last Year	1,406	1,983	5,366	448	4,870	14,073	3,417	2,096
2002 YTD	142,760	164,745	400,179	27,161	344,296	1,079,141	191,835	195,765
2001 YTD	151,864	163,018	428,603	26,330	347,156	1,116,971	254,982	232,461
% of Last Year	94%	101%	93%	103%	99%	97%	75%	84%
2001 Total	151,864	163,018	428,603	26,330	347,156	1,116,971	254,982	232,461

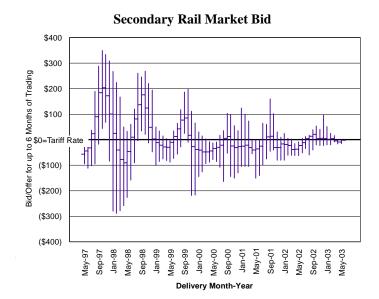
U.S. Rail Carrier Grain Service Index*

Nov	v-02			93.3	3	95	5.6	95.5	102	2.7		93.1		94	.4	
-					-						-	2 ~	 -	-		

Rail service may be ordered directly from the railroad via **Auction** for guaranteed service or tariff for non-guaranteed service, or through the secondary market. The **Secondary Rail Market** information reflects trade values for service that was originally purchased from the railroad carrier as some form of guaranteed freight. The auction and secondary rail values are indicators of rail service quality and demand/supply.

Railroad Car 'Auction' Results Average Premium/Discount to Tariff, \$/Car - Last Auction								
Delivery for:	Jan-03	Feb-03	Mar-03					
COT/N. Grain	\$0	no bid	no bid					
COT/S. Grain	\$0	\$0	\$0					
GCAS/Region 1	\$6	no offer	no offer					
GCAS/Region 2	\$30	\$2	\$2					
	Source: Transportation & Marketing/AMS/USDA. (COT=Certificate of Transportation; GCAS=Grain Car Allocation System)							

Secondary Rail Car Market Average Premium/Discount to Tariff, \$/Car - Last Week									
	Delivery Period								
	Jan-03	Feb-03	Mar-03	Apr-03					
BNSF-GF	\$5	\$4	\$1	(\$8)					
UP-Pool	\$51	\$26	\$15	(\$6)					



Tariff Rail Rates for Unit Train Shipments

December 2002

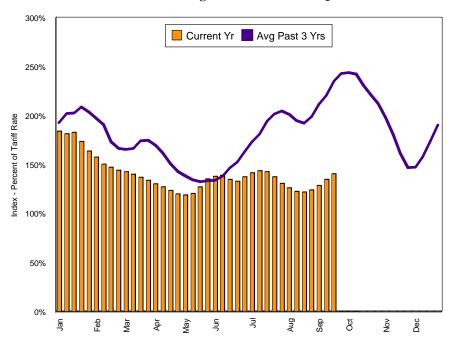
Date Effective	Tariff Item	Commodity	Origin	Destination	Rate Per Car	Rate Per MT	Rate/Per Bushel*
Lifective	Item	Commodity	Origin	Destination	1 Ci Cai	IVII	Dustici
12/2/02	45560	Wheat	Minneapolis, MN	Houston, TX	\$2,050	\$22.60	\$0.62
12/02/02	43521	Wheat	Minneapolis, MN	Portland, OR	\$3,877	\$42.74	\$1.16
12/02/02	46540	Wheat	Kansas City, MO	Houston, TX	\$1,650	\$18.19	\$0.50
12/02/02	43586	Wheat	Kansas City, MO	Portland, OR	\$4,347	\$47.92	\$1.30
12/02/02	43581	Wheat	Omaha, NE	Portland, OR	\$4,005	\$44.15	\$1.20
12/02/02	31005	Corn	Minneapolis, MN	Portland, OR	\$3,050	\$33.62	\$0.85
12/02/02	31035	Corn	Kansas City, MO	Portland, OR	\$2,700	\$29.76	\$0.76
12/02/02	31005	Corn	Omaha, NE	Portland, OR	\$2,850	\$31.42	\$0.80
12/02/02	61110	Soybean	Minneapolis, MN	Portland, OR	\$3,030	\$33.40	\$0.91
12/02/02	61110	Soybean	Omaha, NE	Portland, OR	\$2,780	\$30.64	\$0.83

Source: www.bnsf.com

Approximate load per car = 100 tons: Corn 56 lbs/bu, Wheat & Soybeans 60 lbs/bu

BARGE TRANSPORTATION

Illinois River Barge Rate Index - Rate Quotes



The Illinois River Barge Rate Index averaged 183% of the Benchmark Tariff Rate between 1999 and 2001, based on weekly market quotes. The Index, along with Rate Quotes and Futures Market bids are indicators of grain transport supply and demand.

Calculating barge rate per ton: Index \times 1976 Tariff Benchmark Rate per Ton

Select applicable index from market quotes included in tables on this page. The 1976 benchmark rates per ton are provided in map below.

BARGE RATE QUOTES: Southbound Barge Freight Index=Percent of Tariff, Based on 1976 Tariff Benchmark Rate								
	1/2/03	12/25/02	Feb. '03	Apr. '03				
Twin Cities	nq	nq	nq	195				
Mid-Mississippi	nq	nq	nq	169				
Illinois River	160	166	176	155				
St. Louis	136	136	138	134				
Lower Ohio	128	129	130	134				
Cairo-Memphis	118	121	121	125				
Source: Transportation &	& Marketing /Al	MS/USDA; nq=	no quote					

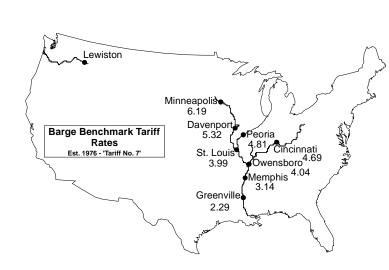
BARGE FUTURES MARKET

Southbound Barge Freight Nominal/Cash Basis Values

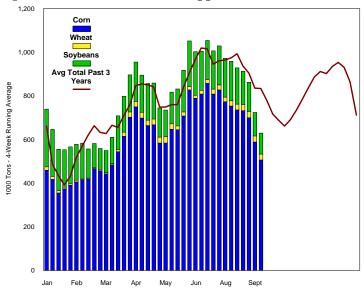
Index=Percent of Tariff, Based on 1976 Tariff Benchmark Rate

	Contract	Rate			
River/Region	Period	Futures	Cash		
St. Louis	Feb	n/a	140		
	Apr	n/a	138		
	Jun	n/a	140		
	Jul	n/a	145		
	Aug	n/a	150		
Illinois River	Feb	n/a	175		
	Apr	n/a	150		
	Jun	n/a	155		
	Jul	n/a	160		
	Aug	n/a	170		
	St. Louis	St. Louis Feb Apr Jun Jul Aug Illinois River Feb Apr Jun Jun Jul	Contract Period Futures		

Source: St. Louis Merchants Exchange



Barge Movements on the Mississippi River (Lock 27)

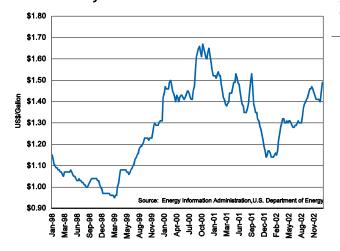


Barge Grain Movements for week ending 12/28/02								
	Corn	Wht	Sybn	Total				
 Mississippi River		1,000	Tons					
	0	0	0	0				
Rock Island, IL (L15)	0	0	0	0				
Winfield, MO (L25)	0	0	0	0				
Alton, IL (L26)	489	10	116	624				
Granite City, IL (L27)	450	8	103	562				
Illinois River (L8)	482	16	121	627				
Ohio River (L52)	31	5	17	90				
Arkansas River (L1)	0	21	11	32				
2002 YTD	35,066	2,590	11,634	50,810				
2001 YTD	31,868	2,687	10,616	47,089				
% of 2001 YTD	110%	96%	110%	108%				
Total 2001	31,878	2,679	10,616	47,091				

YTD and Calendar year total includes Miss/27, Ohio/52 and Ark/1. Source: U.S. Army Corp of Engineers.

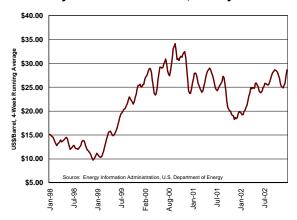
TRUCK TRANSPORTATION

Weekly U.S. Retail Road Diesel Price



The weekly **Diesel Price** provides a proxy for trends in U.S truck rates. Diesel fuel is a significant expense for truck grain movements, accounting for 37% of the estimated variable cost. **Crude Oil Price** is an indicator in future diesel price trends.

Weekly Brent Crude Price, Friday Close



Crude Oil Prices US\$ per Barrel	This Week	Last Week
Light Sweet Crude (NYMEX)	30.00	29.94
Brent Crude	29.67	31.98

Source: www.eia.doe.gov; *U.S. Refiner CrudeAcquisition Cost, Composite Domestic & Import

Note: Light Sweet Crude is exchanged on the New York Mercantile Exchange. North Sea oil has a "benchmark" role in crude oil pricing. Brent crude, a blend of North Sea oils, is traded on the International Petroleum Exchange in London

GRAIN EXPORTS

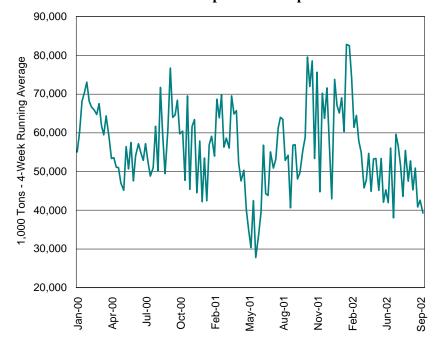
U.S. Export Balances (1,000 Metric Tons)

			V	Vheat			Corn	Soybean	Total
	HRW	SRW	HRS	SWW	DUR	All			
<u>Unshipped Export Balances</u>									
12/26/02	1,093	735	1,230	618	123	3,798	6,826	8,339	18,963
This Week Year Ago	1,220	623	948	563	118	3,472	7,347	7,821	18,640
Cumulative Exports-Crop Year									
01/02 YTD	4,581	1,546	4,104	2,068	518	12,818	13,037	11,347	37,202
00/01 YTD	4,895	3,403	3,239	1,902	800	14,238	13,825	17,713	45,776
99/00 Total	9,858	4,710	6,305	5,413	1,232	27,518	37,220	24,516	89,254
98/99 Total	7,387	3,645	7,864	6,105	963	25,965	44,476	24,501	94,942
97/98 Total	9,867	6,792	8,918	6,443	897	32,918	55,769	23,550	112,237

Source: Foreign Agricultural Service YTD-Year-to-Date (www.fas.usda.gov) Crop Year:Wheat=5/31-6/01, Corn & Soybeans=9/01-8/31

	Pac	cific Reg	ion_	Mis	ssissippi (<u>Gulf</u>	<u>T</u>	exas Gu	<u>lf</u>	<u>P</u>	ort Region Tota	1
	Wheat	Corn	Soybn	Wheat	Corn	Soybn	Wheat	Corn	Soybn	Pacific	Mississippi	Texas
01/02/03	217	58	0	128	577	547	48	2	0	274	1,251	50
2002 YTD	9,196	3,999	2,801	5,595	36,655	18,645	5,926	268	992	15,996	60,895	7,186
2001 YTD	9,884	5,181	2,847	6,382	34,885	17,889	5,927	267	1,581	17,912	59,156	7,775
% of 2001 YTD	93%	77%	98%	88%	105%	104%	100%	101%	63%	89%	103%	92%
2001 Total	10,007	5,877	1,647	6,829	34,991	17,996	6,984	470	1,008	17,530	59,816	8,462

U.S. Grain Inspected for Export



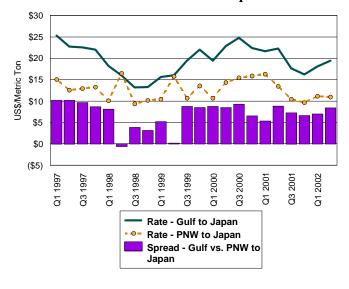
Select Canadian Port Export Inspections 1,000 Metric Tons, Week End Summary							
01/02/2003 Vancouver	Wheat	<u>Durum</u>	<u>Barley</u>				
Prince Rupert	97						
Prairie Direct	3	3	5				
Thunder Bay			2				
St. Lawrence	2,244	1,260	177				
2001/02 YTD	6,164	1,352	498				
2002/03 YTD	2,344	1,263	184				
% of Last Year	263%	107%	270%				
Source: Canadian Grains Commission, Crop Year 8/1-7/31							

Port Regio	n Ocear	Grain	Vessels		
		Gulf		Pacific Northwest	Vancouver B.C.
	In Port	Loaded 7-Days	Due Next 10-Days	In Port	In Port
12/26/02	39	44	66	11	0
01/02/03	40	46	68	7	1
2001					
Range	(1365)	(2864)	(4681)	(118)	(420)
2001 Avg	36	48	63	9	12
Source: Transpor	tation & Marl	ceting /AMS/	USDA	_	

Gulf Port Region Grain Vessel Loading Past 7 Days



Grain Vessel Rates to Japan



Quarterly Ocean Freight Rates Average Rates & Percentage Changes, U.S. Dollars/Metric Ton								
	2002 3 rd Qtr	2001 3 rd Qtr	% Change	2002 3 rd Qtr	2001 3 rd Qtr	% Change		
Gulf to				Pacific NW to				
Japan	\$19.54	\$17.69	9%	Japan \$11.57	\$11.46	10%		
Mexico	\$7.14	-	-					
Venezuela	-	\$13.45	-					
N. Europe	-	\$12.06	-	Argentina to				
N. Africa	\$31.64	\$18.21	42%	Med. Sea \$19.93	-	-		
Med. Sea	\$11.92	\$12.05	-1%	N. Europe -	\$16.22	-		
Black Sea	-	-	-	Japan -	\$29.40	-		

Source: Transportation & Marketing/AMS/USDA; (*) rates shown are for metric ton (2,204.62 lbs.=one metric ton)

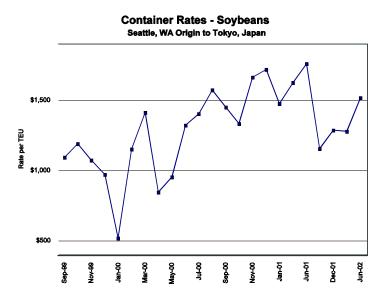
Ocean Freight Rates for Selected Shipments - week ending 12/21/02							
Export Region	Import Region	Grain	Month	Volume Loaded (Tons)	Freight Rate (\$Ton)		
U.S. Gulf	China	Wheat	Dec. 20/30	22,000	\$126.95*		
U.S. Gulf	Japan	Heavy Grain	Jan. 1/5	54,000	\$25.25		
U.S. Gulf	Japan	Heavy Grain	Jan. 3/20	54,000	\$25.50		
PNW	China	Wheat	Dec. 20/30	18,000	\$45.00*		
River Plate, S. America	Poland	Grains	Dec. 28/30	30,000	\$26.00		
Southampton, U.K.	Casablanca	Wheat	Dec. 20/24	30,000	\$12.00		
Constantza, Romania	Morocco	Wheat	Dec. 18/20	25,000	\$15.50		
Bedi Bunda, India	Indonesia	Wheat	Dec. 17/22	27,000	\$12.80		

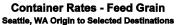
Source: Maritime Research Inc.; rates shown are for metric ton (2,204.62 lbs.=one metric ton), F.O.B., except where otherwise indicated; op=option Most food aid from the United States is required to be shipped on U.S. flag vessels. The vessels are of limited availability resulting in higher rates. In addition, destinations receiving food aid generally lack adequate port unloading facilities, requiring the vessel to remain in port for a longer duration than normal. Lastly, the loading and unloading of bagged commodities are generally more labor intensive than bulk shipments, which also contributes to the additional cost.

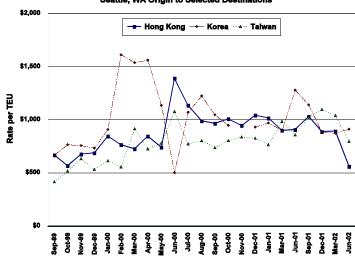
CONTAINER

Container Ocean Freight Rates

Monthly Weighted Averages Based on Shipping Line Monthly Mkt. Share Source: Transportation & Marketing/AMS/USDA







Approximately 420,000 MT of grain and oilseed exports were marketed via container in 2001. This volume increased 26% compared to 1997.